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## WHAT IS CLAIMED IS:

 For use in a wireless communications system, a mobile switching center comprising:

a controller which, in response to receiving a clear request triggered by a mobile station terminating call connections while a call involving the mobile station is holding following a call waiting notification to the mobile station, transmits a message to a base station serving the mobile station to maintain resource allocations designated for the mobile station and alert the mobile station of the holding call.

2. The mobile switching center according to claim 1, wherein the message is a clear reject message defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station of the holding call.

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- 3. The mobile switching center according to claim 1, wherein the message is a clear command message with a cause value defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station of the holding call.
- 4. The mobile switching center according to claim 1, wherein, after transmitting the message, the controller awaits a connect message indicating that the mobile station has initiated connection to the holding call.

- 5. For use in a wireless communications system, a base station comprising:
- a controller which, in response to receiving a clearing procedure message from a mobile switching center triggered by a mobile station which is served by the base station terminating call connections while a call involving the mobile station is holding following a call waiting notification to the mobile station, maintains resource allocations designated for the mobile station and alerts the mobile station of the holding call.
- 6. The base station according to claim 5, wherein the clearing procedure message is a clear reject message defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station of the holding call.
- 7. The base station according to claim 5, wherein the clearing procedure message is a clear command message with a cause value defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station of the holding call.

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8. The base station according to claim 5, wherein, after alerting the mobile station of the holding call, the controller awaits a connect order from the mobile station requesting connection of the mobile station to the holding call.

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- 9. A wireless communications system, comprising:
- mobile base station serving a 2 terminating call connections while a call involving the 3 mobile station is holding following a call waiting 4 notification to the mobile station; and 5
- a mobile switching center coupled to the base station,

wherein the mobile switching center, in response to receiving a clear request to clear resource allocations designated for the mobile station, transmits a message to the base station to maintain the resource allocations designated for the mobile station and alert the mobile station of the holding call.

10. The wireless communications system according to claim 9, wherein the message is a clear reject message defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station of the holding call.

- 11. The wireless communications system according to claim 9, wherein the message is a clear command message with a cause value defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station of the holding call.
- 12. The wireless communications system according to claim 9, wherein a timer having a default value of 1.5 seconds is started by the clear request and stopped by the message.
- 13. The wireless communications system according to claim 9, wherein a timer having a default value of 30 seconds is started by the message and stopped by a connect message indicating that the mobile station has initiated connection to the holding call.
- 14. The wireless communications system according to claim 9, wherein the base station, upon receiving the message, transmits an alert with information to the mobile station to alert the mobile station of the holding call.

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- 15. The wireless communications system according to claim 14, wherein the base station, in transmitting the alert with information to the mobile station, causes a ring tone to sound at the mobile station.
- 16. The wireless communications system according to claim 14, wherein the base station, after transmitting the alert with information to the mobile station, awaits an acknowledgment of the alert with information from the mobile station.
- 17. The wireless communications system according to claim 14, wherein the base station, after transmitting the alert with information to the mobile station, awaits a connect order from the mobile station requesting connection to the holding call and, upon receiving the connect order, transmits a connect message to the mobile switching center.

## 18. A method of wireless communications, comprising:

receiving a release order at a base station serving a mobile station requesting termination of call connections to the mobile station while a call involving the mobile station is holding following a call waiting notification to the mobile station; and

responsive to receiving a clear request triggered by the release order at a mobile switching center coupled to the base station, transmitting a message to the base station to maintain the resource allocations designated for the mobile station and alert the mobile station of the holding call.

19. The method according to claim 18, wherein the step of transmitting a message to the base station to maintain the resource allocations designated for the mobile station and alert the mobile station of the holding call further comprises:

transmitting a clear reject message defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station of the holding call.

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20. The method according to claim 18, wherein the step of transmitting a message to the base station to maintain the resource allocations designated for the mobile station and alert the mobile station of the holding call further comprises:

transmitting a clear command message with a cause value defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station of the holding call.

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1	21.	The	method	according	to	claim	18,	further
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starting a timer for the base station having a default value of 1.5 seconds in response to transmitting the clear request;

stopping the timer for the base station response to receiving the message;

starting a timer for the mobile switching center having a default value of 30 seconds in response to transmitting the message; and

stopping the timer for the mobile switching center in response to receiving a connect message indicating that the mobile station has initiated connection to the holding call.

22. The method according to claim 18, further comprising:

responsive to receiving the message at the base station, transmitting an alert with information to the mobile station to alert the mobile station of the holding call and to cause a ring tone to sound at the mobile station.

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	23.	The	method	according	to	claim	18,	further
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after transmitting the alert with information to the mobile station, awaiting an acknowledgment of the alert with information from the mobile station and a connect order from the mobile station requesting connection to the holding call; and

upon receiving the connect order, transmitting a connect message to the mobile switching center.